	Application No.	Applicant(s)
Notice of Allowability	10/054,563	GARREAN, MICHAEL E.
	Examiner	Art Unit
	Jacob F. Betit	2164

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the amendment filed on 7-December-2004*.

2. ☒ The allowed claim(s) is/are *1-8,12-22 and 26-32*.

3. ☒ The drawings filed on *22 January 2002* are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *20050308* .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

CHARLES RONES
PRIMARY EXAMINER

DETAILED ACTION

Remarks

1.   In response to communications filed on 7-December-2005, claims 1, 14, and 28 are

amended and claims 9-11, 23-25, and 33-38 are cancelled per applicant's request. Claims 1-8,

12-22, 26-32 are presently pending in the application.

2.   In view of the examiner's amendment, authorized by the Attorney of Record, claims 1,

12, 14, 26-27 are amended by the examiner (details provided below).

Examiner's Amendment

3.   An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

Kevin E. West on 10-March-2005 and on 16-March-2005 (see enclosed Interview Summary for

details).

The application has been amended as follows:

4.   Replace claim 1 with the following:

1.   (Currently amended) A computer implemented method for identifying a record

with valid address information, but invalid name information, comprising:

obtaining a record containing a name and an address;

determining if the address is in a set of known addresses by calculating a weighted address value for the address and comparing the weighted address value with a predetermined threshold address value, the weighted address value being calculated using the formula:

$$\text{\sout{WNV}}\underline{WAV} = (W1 \cdot V1) + (W2 \cdot V2) + ...(Wn \cdot Vn)$$

where WAV is the weighted address value, $W(1,...n)$ is the weight assigned to components of the address and $V(1,...n)$ is a value assigned to components of the address, $V(1,...n)$ being assigned a value of 1 if the component matches a corresponding component of an address in the set of known addresses, 0 if the component is not found in the set of known addresses and -1 if the component does not match the corresponding component of the address in the set of known addresses; and

if the address of the obtained record is determined to be in the set of known addresses, determining if the name of the obtained record is in a subset of known names associated with the address by calculating a weighted name value for the name and comparing the weighted name value with a predetermined threshold name value.

5.   Replace claim 12 with the following:

12.   (Currently amended) The method as clamed in claim $\text{\sout{10}}\underline{1}$, wherein the obtained address is determined to be in the set of known addresses if the weighted address value for the address is less than a predetermined threshold address value.

6.   Replace claim 14 with the following:

14.   (Currently amended) A <u>computer implemented</u> method for identifying records

with valid address information, but invalid name information, comprising:

obtaining a record containing a name and an address;

determining if the address is in a set of known addresses by calculating a weighted

address value for the address and comparing the weighted address value with a predetermined

threshold address value, the weighted address value being calculated using the formula:

$$\text{\sout{WNV}}\underline{\text{WAV}} = (W1 \cdot V1) + (W2 \cdot V2) + ...(Wn \cdot Vn)$$

where WAV is the weighted address value, $W(1,...n)$ is the weight assigned to components of

the address and $V(1,...n)$ is a value assigned to components of the address, $V(1,...n)$ being

assigned a value of 1 if the component matches a corresponding component of an address in the

set of known addresses, 0 if the component is not found in the set of known addresses and -1 if

the component does not match the corresponding component of the address in the set of known

addresses; and

if the address of the obtained record is determined to be in the set of known addresses,

determining if the name of the obtained record is in a subset of known names associated with the

address using a heuristic.

7.   · Replace claim 26 with the following:

26.   (Currently amended) The method as clamed in claim ~~24~~ 14, wherein the obtained

address is determined to be in the set of known addresses if the weighted address value for the

address is less than a predetermined threshold address value.

8.   Replace claim 27 with the following:

27.   (Currently amended) The method as claimed in claim 24 14, further comprising, if

the address is determined to be in the set of known addresses and the name is determined to not

be in the subset of known names associated with the known address, marking the record as

having valid address information, but invalid name information.

9.   Replace claim 28 with the following:

28.   (Currently amended) A system for identifying a record with valid address
information, but invalid name information, comprising:

        means for obtaining a record containing a name and an address;

        means for determining if the address is in a set of known addresses; and

        means for determining if the name of the obtained record is in a subset of known names
associated with the address by calculating a weighted name value for the name and comparing
the weighted name value with a predetermined threshold name value;

        wherein the means for determining if the address is in a set of known addresses
comprises means for calculating a weighted address value for the address and comparing the
weighted address value with a predetermined threshold address value, the weighted address
value being calculated using the formula:

$$WNV\,WAV = (W1\cdot V1) + (W2\cdot V2) + ...(Wn\cdot Vn)$$

where WAV is the weighted address value, $W(1,...n)$ is the weight assigned to components of

the address and $V(1,...n)$ is a value assigned to components of the address, wherein $V(1,...n)$

has a value of 1 if the component matches a corresponding component of an address in the set of

known addresses, 0 if the component is not found in the set of known addresses and -1 if the component does not match the corresponding component of the address in the set of known addresses.

Allowance

10.   The following is an examiner's statement of reasons for allowance:

The prior art of record does not disclose, teach, or suggest the claimed limitations of (in combination with all other features in the claim):

calculating a weighted address value for the address and comparing the weighted address value with a predetermined threshold address value, the weighted address value being calculated using the formula:

$$WAV = (W1 \cdot V1) + (W2 \cdot V2) + ...(Wn \cdot Vn)$$

where WAV is the weighted address value, $W(1,...n)$ is the weight assigned to components of the address and $V(1,...n)$ is a value assigned to components of the address, $V(1,...n)$ being assigned a value of 1 if the component matches a corresponding component of an address in the set of known addresses, 0 if the component is not found in the set of known addresses and -1 if the component does not match the corresponding component of the address in the set of known addresses, as claimed in claims 1 and 14.

The prior art of record does not disclose, teach, or suggest the claimed limitations of (in combination with all other features in the claim):

calculating a weighted address value for the address and comparing the weighted address value with a predetermined threshold address value, the weighted address value being calculated using the formula:

$$WAV = (W1 \cdot V1) + (W2 \cdot V2) + ...(Wn \cdot Vn)$$

where WAV is the weighted address value, $W(1,...n)$ is the weight assigned to components of the address and $V(1,...n)$ is a value assigned to components of the address, wherein $V(1,...n)$ has a value of 1 if the component matches a corresponding component of an address in the set of known addresses, 0 if the component is not found in the set of known addresses and -1 if the component does not match the corresponding component of the address in the set of known addresses, as claimed in claim 28.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

11.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jacob F. Betit whose telephone number is (571) 272-4075. The examiner can normally be reached on Monday through Friday 9 am to 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Dov Popovici can be reached on (571) 272-4083. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

jfb   **CHARLES RONES**
11 Mar 2005   **PRIMARY EXAMINER**